

Title (en)

Shared storage arrangement for multiple processor systems with a request select ring.

Title (de)

Gemeinsam genutzte Speicheranordnung für Multiprozessorsysteme mit einer Anfrageauswahlschaltung in Ringanordnung.

Title (fr)

Arrangement de mémoires partagées pour des systèmes multiprocesseurs comprenant un circuit de sélection de demandes en configuration d'anneau.

Publication

**EP 0029121 A1 19810527 (EN)**

Application

**EP 80106264 A 19801015**

Priority

US 9364379 A 19791113

Abstract (en)

[origin: US4313161A] A system is provided that includes a plurality of processors connected to a shared storage via an asynchronous storage interface that includes various interface logic and a ring counter that performs polling of the processors for access to the shared storage. The ring utilizes a "lookahead" feature that bypasses stages in the ring to speed up responses to request signals from the processor. The logic uses the clock from the particular processor accessing the shared memory at any point in time.

IPC 1-7

**G06F 9/46**; **G06F 13/00**; **G06F 15/16**

IPC 8 full level

**G06F 15/16** (2006.01); **G06F 12/00** (2006.01); **G06F 13/18** (2006.01); **G06F 15/177** (2006.01)

CPC (source: EP US)

**G06F 13/18** (2013.01 - EP US)

Citation (search report)

- US 3544976 A 19701201 - COLLINS ARTHUR A
- US 4047161 A 19770906 - DAVIS MICHAEL IAN
- US 3706974 A 19721219 - PATRICK ROBERT L, et al
- US 3795901 A 19740305 - BOEHM R, et al
- US 3735360 A 19730522 - ANDERSON D, et al
- US 3771137 A 19731106 - BARNER R, et al
- US 3748647 A 19730724 - ASHANY R, et al

Cited by

GB2170624A; EP0397180A3; US6496208B1; GB2123189A; US4780812A

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0029121 A1 19810527**; **EP 0029121 B1 19840926**; CA 1143855 A 19830329; DE 3069305 D1 19841031; JP S5682962 A 19810707; JP S6113618 B2 19860414; US 4313161 A 19820126

DOCDB simple family (application)

**EP 80106264 A 19801015**; CA 360339 A 19800916; DE 3069305 T 19801015; JP 15775580 A 19801111; US 9364379 A 19791113